

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Sheet	1	of	1
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Complete if Known

Application Number	10/685,965
Filing Date	October 15, 2003
First Named Inventor	David W. Bainbridge
Art Unit	1771
Examiner Name	H. V.
Attorney Docket Number	2400/14(b)

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ^d
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
HW		BE 871.775	05-03-1979	Bisson et al.		
		JP 07-137189	05-30-1995	Tadashi et al.		
		WO 98/56993	12-17-1998	Lemieux		
		WO 99/26784	06-03-1999	Lodder		
HW		JP 2000-034823	02-02-2000	Hiroomi et al.		

Hai Vo

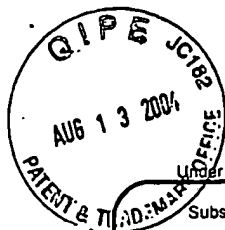
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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 1

Complete if Known

Application Number	10/685,965
Filing Date	October 15, 2003
First Named Inventor	David W. Bainbridge
Art Unit	1771
Examiner Name	H. V.
Attorney Docket Number	2400/14(b)

U. S. PATENT DOCUMENTS¹

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
HV		US- 5,176,924	01-05-1993	Williams	
HV		US- 5,215,637	06-01-1993	Williams	
HV		US- 5,290,489	03-01-1994	Williams et al.	
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

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Hai V.

Date
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04/07/05

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Application Number	10/685,965
Filing Date	October 15, 2003
First Named Inventor	David W. Bainbridge
Art Unit	1771
Examiner Name	
Attorney Docket Number	2400/14(b)

Sheet 1 of 1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
duplicate		US-3,674,684	07-04-1972	Goltan	
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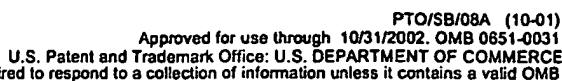
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

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Sheet 1 of 1

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Application Number	10/685,965
Filing Date	10/15/03
First Named Inventor	Bainbridge
Art Unit	1771
Examiner Name	H. Vo
Attorney Docket Number	2400/14(b)

U.S. PATENT DOCUMENTS

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Signature**

Hai Vi

Date Considered

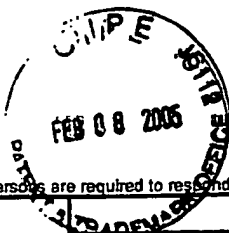
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	10/685,783
Filing Date	October 15, 2003
First Named Inventor	David W. Bainbridge
Art Unit	1771
Examiner Name	H. Vb
Attorney Docket Number	2400/14(a)

Sheet 1 of 1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
HV		A DVD disc entitled "Lectro Engineering Company, MTM Systems." About 3 to 3 1/2 minutes into a section of the disc designated as "Product Line" there is mention and depiction of electrical plasma treatment of shredded plastic bulk or powdered material.	

Examiner Signature	Hai Vb	Date Considered	04/07/05
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Substitute for form 1448A/PTO

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Sheet

1

of

9

Complete if Known

Application Number

Filing Date

Herewith

First Named Inventor

David W. Bainbridge

Group Art Unit

77

Examiner Name

H. V.

Attorney Docket Number

2400/14 (b)

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Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Answer
		Number	(and Case- if known)			
HV		1,652,776		Galanis	12-13-27	
		2,179,631		Holder	11-14-39	
		3,304,219		Nickerson	02-14-67	
		3,459,179		Olesen	08-05-69	
		3,503,841		Sterrett	03-31-70	
		3,529,306		Thorne	09-22-70	
		3,552,044		Wiele	01-05-71	
		3,629,882		Thorne	12-28-71	
		3,663,344		Brock et al.	05-16-72	
		3,755,063		Massev et al.	08-28-73	
		3,816,234		Winfield	06-11-74	
		4,011,611		Lederman	03-15-77	
		4,139,920		Evans	02-20-79	
		4,193,499		Lookholder	03-18-80	
		4,343,047		Lazowski et al.	08-10-82	
		4,472,472		Schultz	09-18-84	
		4,620,633		Lookholder	11-04-86	
		4,642,814		Godírev	02-17-87	
		4,657,003		Wirtz	04-14-87	
W		5,079,787		Pollmann	01-14-92	

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Sheet 2 of 9

Complete If Known

Application Number	
Filing Date	
First Named Inventor	
Group Art Unit	
Examiner Name	
Attorney Docket Number	

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.†	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code‡ (if known)			
kv		5,103,517		Krouskov	04-14-92	
		5,134,726		Ross	08-04-92	
		5,201,780		Dinsmoor, III et al.	04-13-93	
		5,369,829		Jay	12-06-94	
		5,397,620		Hord, III	03-14-95	
		5,464,443		Wilson et al.	11-07-95	
		5,545,128		Haves et al.	08-13-96	
		5,584,072		Kim et al.	12-17-96	
		5,626,657		Pearce	05-06-97	
		5,669,079		Morgan	09-23-97	
		5,675,844		Guyton et al.	10-14-97	
		5,699,561		Broersma	12-23-97	
		5,711,029		Visco et al.	01-27-98	
		5,357,015		Haruvy et al.	10-18-94	
kv		5,922,161		Wu et al.	07-13-99	

FOREIGN PATENT DOCUMENTS

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		Office‡	Number‡	Kind Code‡ (if known)				

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† Unique citation designation number. ‡ See attached Kinds of U.S. Patent Documents. § Enter Office that issued the document, by the two-letter code (WIPO Standard ST.31). ¶ For Japanese patent documents, the indication of the year or the reign of the Emperor must precede the serial number of the patent document. ¶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ¶ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 9

Complete if Known

Application Number	
Filing Date	Herewith
First Named Inventor	David W. Bainbridge
Group Art Unit	1771
Examiner Name	H. V.
Attorney Docket Number	2400/14(b)

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		Number	Kind Class ² (if known)			
HV		3,477,562		Allen et al.	11-11-1969	
		3,563,837		Smith et al.	02-16-1971	
		3,606,726		Soertus et al.	09-21-1971	
		3,889,444		Davis et al.	06-17-1975	
		3,968,620		Keltner	07-13-1976	
		4,054,204		Keeton	10-18-1977	
		4,102,109		Modra et al.	07-25-1978	
		4,121,399		Verville	10-24-1978	
		4,391,561		Smith et al.	07-05-1983	
		4,640,080		Wright	02-03-1987	
		5,052,874		Johanson	10-01-1991	
		5,079,787		Pollmann	01-14-1992	
		5,351,830		Bender et al.	10-04-1994	
		5,515,975		Jarvis et al.	05-14-1996	
		5,622,030		Steed et al.	04-22-1997	
		5,694,747		Tesch	12-09-1997	
		5,711,215		Sextal et al.	01-27-1998	
HV		5,712,015		Gullem	01-27-1998	

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		Office ²	Number ²	Kind Class ² (if known)				

Examiner
Signature

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Date

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²Unique citation designation number. See attached kinds of U.S. Patent Documents. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁴Applicant is to place a check mark here if English language Translation is attached.

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Sheet	4	of	9	Application Number	
				Filing Date	Herewith
				First Named Inventor	David W. Bainbridge
				Group Art Unit	1771
				Examiner Name	H. Vo
				Attorney Docket Number	2400/14(b)

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		Number	Kind Code ² (if known)			
HV		2,298,218		Madson	06-27-1940	
		3,608,961		Heck	09-28-1971	
		3,762,404		Sakita	10-02-1973	
		3,968,530		Dyson	07-13-1976	
		4,171,549		Morrell et al.	10-23-1979	
		4,370,754		Donzis	02-01-1983	
		4,432,110		Sutton	02-21-1984	
		4,475,248		L'Abbe et al.	10-09-1984	
		4,577,358		Glass	03-25-1986	
		4,606,087		Alivizatos	08-19-1986	
		4,607,403		Alivizatos	08-26-1986	
		4,905,320		Souvers, Jr.	03-06-1990	
		5,134,725		Yeshurun et al.	08-04-1992	
		5,152,019		Hirata	10-06-1992	
		5,279,237		Alivizatos	01-18-1994	
		5,537,688		Reynolds et al.	07-23-1996	
		5,733,012		Jones	03-31-1998	
		5,778,470		Haider	07-14-1998	
HV		5,826,273		Eckes	10-27-1998	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)			
HV		FR	2495-453		Comte	06-11-1982	
HV		FR	2616-655		Luc	12-23-1988	

Examiner Signature	H. Vo	Date Considered	04/07/05
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Substitute for form 1449A/PTO			Complete If Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number		
			Filing Date	Herewith	
			First Named Inventor	David W. Rainbridge	
			Group Art Unit	1771	
			Examiner Name	H. V.	
Sheet	5	of	9	Attorney Docket Number	2400/14(b)

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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
H		2,404,758		Teague et al.	12-10-1940	
		3,006,780		Shaffer	11-04-1959	
		3,304,219		Nickerson	05-02-1962	
		3,616,162		Noziere	10-26-1971	
		3,857,731		Merrill, Jr. et al.	12-31-1974	
		3,864,181		Wolinski et al.	02-04-1975	
		4,624,893		Shibano et al.	11-25-1986	
		4,705,715		DeCoste, Jr. et al.	11-10-1987	
		4,740,416		DeCoste, Jr. et al.	04-26-1988	
		4,855,170		Darvell et al.	08-08-1989	
		5,055,340		Matsumura et al.	10-08-1991	
		5,614,310		Delgado et al.	03-25-1997	
		5,720,714		Penrose	02-24-1998	
		5,746,013		Fay, Sr.	05-05-1998	
		4,756,026		Pierce	07-12-88	
		5,301,370		Henson	04-12-94	
		3,489,154		Kaspar et al.	01-13-70	
H		5,916,672		Reeves	06-29-99	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Office ²	Number ⁴	Kind Code ⁵ (if known)				

Examiner Signature	Hai Vo	Date Considered	04/07/05
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
Application Number					
Filing Date	Herewith				
First Named Inventor	David W. Bainbridge				
Group Art Unit	1771				
Examiner Name	H. Vo				
Attorney Docket Number	2400/14(b)				
Sheet	6	of	9		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.	T ²
HV		Sales Literature of Faytex Corp., circa 1998	
		Sales Literature of JSP International 1998	
		Sales Brochure "Product Samples" of JSP International 1998	
		Internet Ad of EcoByDesign 2003	
		Internet Ad of Midwest Padding 2003	
		Internet Ad of SilentWalk 2003	
HV		Internet Ad of Tuplex Corp. 2003	

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				Application Number	
				Filing Date	Herewith
				First Named Inventor	David W. Bainbridge
				Group Art Unit	1771
				Examiner Name	H. Vo
				Attorney Docket Number	2400/14(b)
Sheet	7	of	9		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
HW		5,888,642		Meteer et al.	3-1999	
		5,916,672		Reeves et al.	6-1999	
		3,489,154		Kaspar et al.	1-1970	
		5,073,444		Shanelee	12-1991	
		3,856,721		Fritschel	12-24-1974	
		4,034,506		Kasahara	7-12-1977	
		4,250,136		Rex	2-10-1981	
		4,303,729		Torobin	12-1-1981	
		5,837,739		Nowak	11-17-1998	
		5,100,258		VanWagoner	3-31-1992	
		5,102,260		Horvath	4-7-1992	
		5,713,696		Horvath	2-3-1998	
		5,920,915		Bainbridge	7-13-1999	
		6,032,300		Bainbridge	3-7-2000	
		6,055,676		Bainbridge	5-2-2000	
		6,098,209		Bainbridge	8-8-2000	
		6,301,722		Nickerson	10-16-2001	
	HE		6,357,054		Bainbridge	3-19-2002
		6,453,477		Bainbridge	9-24-2002	
		6,453,477		Bainbridge	9-24-2002	

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Examiner Signature	Hai Vo	Date Considered	04/07/05
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				Application Number	
				Filing Date	Herewith
				First Named Inventor	David W. Bainbridge
				Group Art Unit	1771
				Examiner Name	H. Vo
				Attorney Docket Number	2400/14 (b)
Sheet	8	of	9		

U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (if known)			
H		3,354,578		Ryan	11-28-1967	
		3,640,787		Heller	02-08-1972	
		3,683,469		Weissmahr	05-18-1972	
		3,676,288		Hoyle	07-11-1972	
		3,978,263		Wellensiek	08-31-1976	
		4,229,398		Harvey	10-21-1980	
		4,240,998		Lichter et al.	12-23-1980	
		4,243,617		Burge	01-06-1981	
		4,443,286		Ikeda et al.	04-17-1984	
		4,492,877		Burnett	01-15-1985	
		5,080,737		Shoner	01-14-1992	
		5,587,231		Mereer et al.	12-24-1996	
		6,027,806		Abe et al.	02-22-2000	
		4,239,519		Beall et al.	12-16-1980	
		4,441,905		Malmendier et al.	4-10-1984	
		4,751,202		Toussaint	6-14-1988	
		4,751,203		Toussaint	6-14-1988	
		4,989,794		Askew et al.	2-5-1991	
H		5,292,840		Heilmann et al.	3-8-1994	

[illegible]

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